

APICAL

INDUSTRIES, INC.

ENGINEERING CHANGE NOTICE NO.

04556

SHEET 1 OF 1

DWG NO. 647.3900

REV: C

PREPARED BY D. MEJIA

DATE: 06/10/2014

EFFECT ON DWG
☐ INC. ☒ UNINC.

DWG TITLE: DEFLECTORS

APPROVED BY:

ENGR

MFG

QC

EFF.

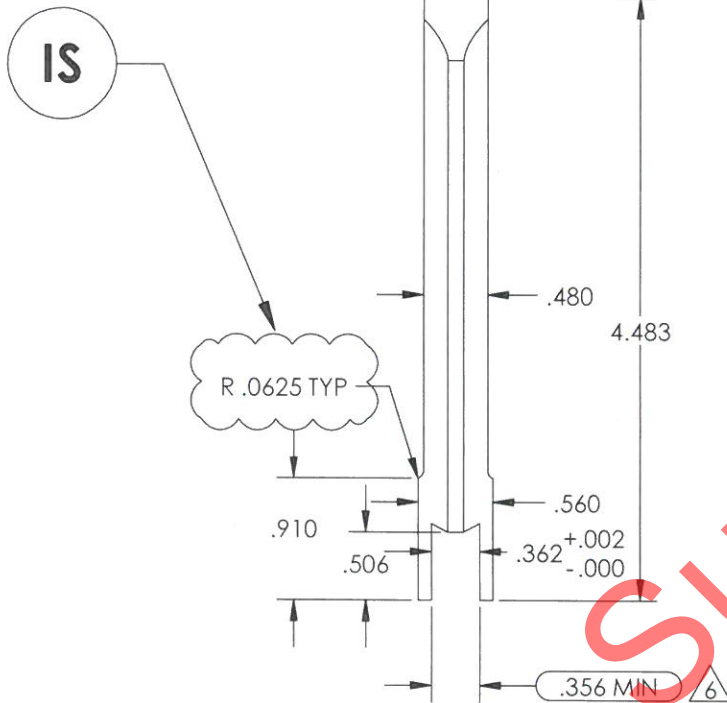
NEXT ORDER

TRANSACTION CODES (TC):
A-ADD
R-REVISE
C-CREATE
D-DELETE

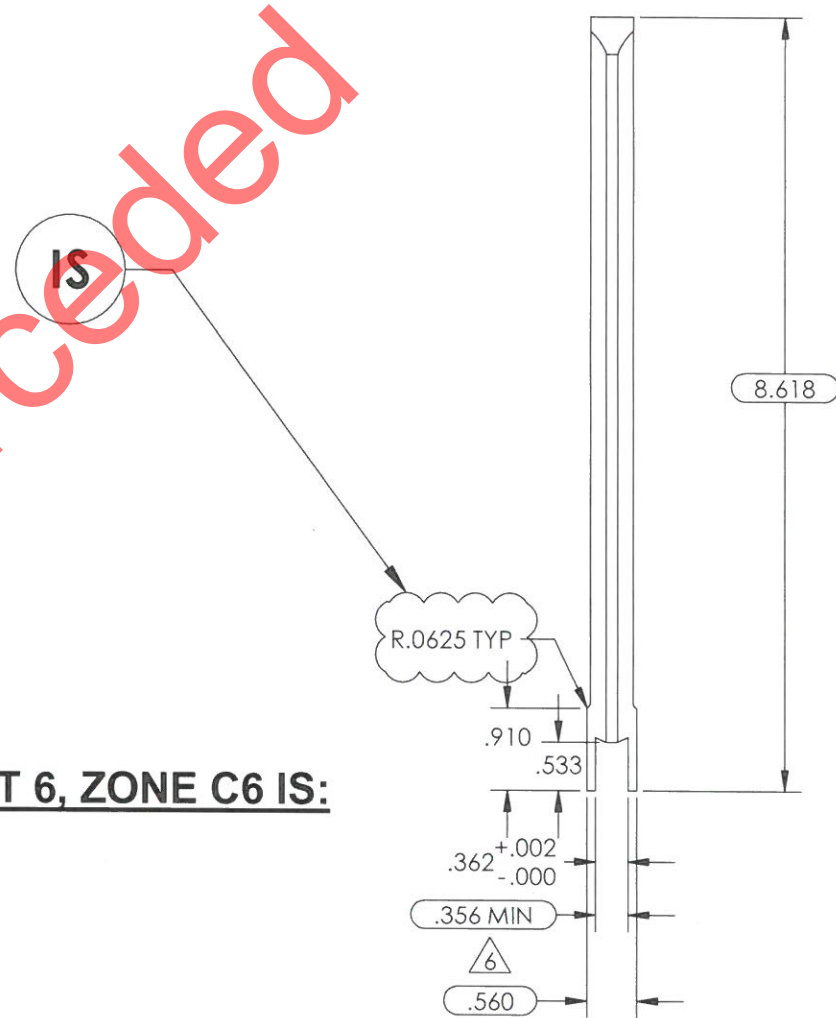
REASON: DIMENSION CHANGE

ECR:

D-14-04



SHEET 5, ZONE C6 IS:



SHEET 6, ZONE C6 IS:

DOCUMENTS EFFECTED:

☐ MDL ☐ INSTALL INSTRUCTIONS ☐ ICA ☐ FMS ☐ BOM

CHANGE CATEGORY

☐ MAJOR ☒ MINOR

DER REVIEW REQUIRED

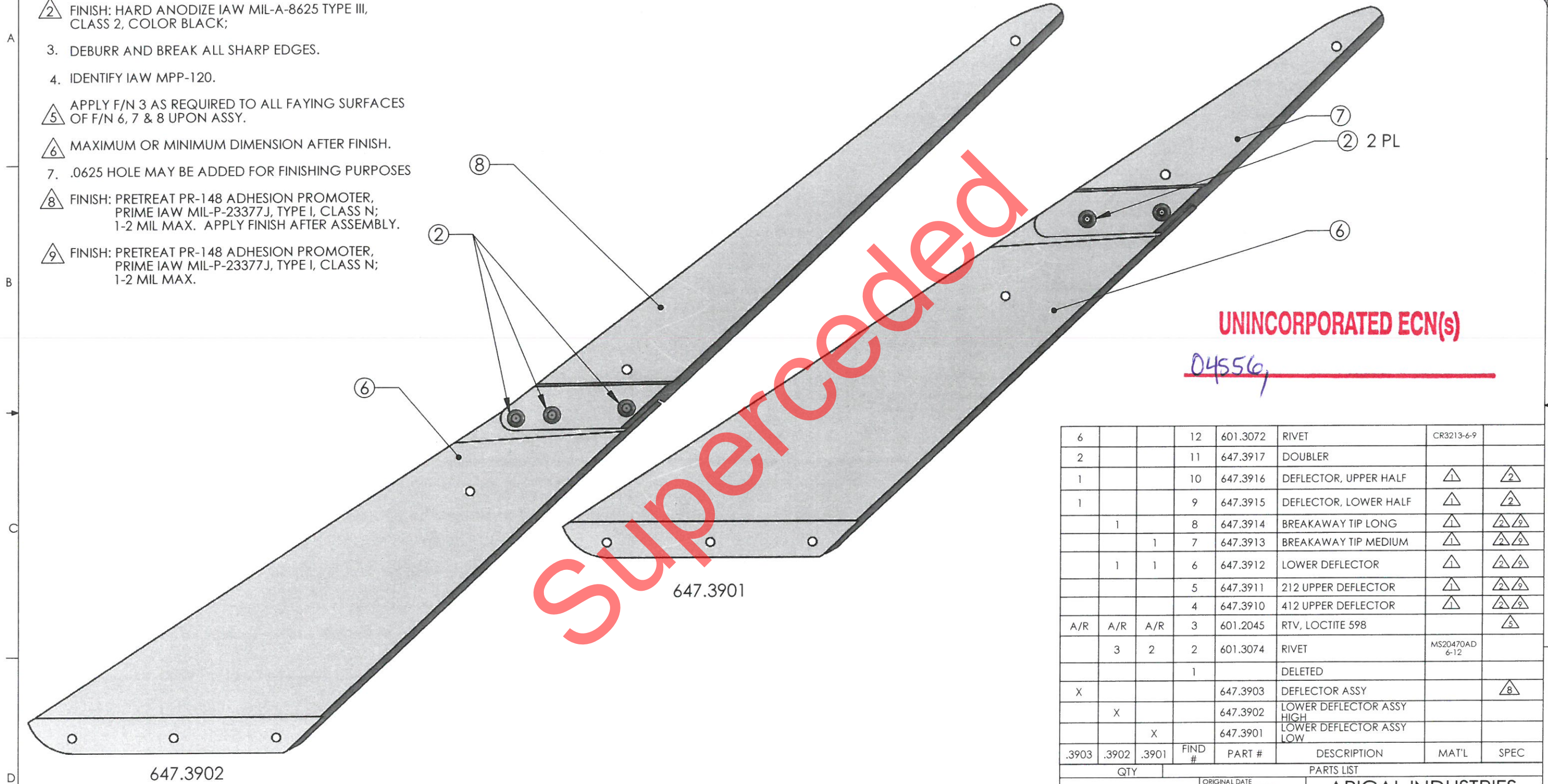
☐ YES ☒ NO

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NOTES:

- 1 MATERIAL: ALUMINUM 7075-T651 PER AMS-QQ-A-250/12.
- 2 FINISH: HARD ANODIZE IAW MIL-A-8625 TYPE III, CLASS 2, COLOR BLACK;
3. DEBURR AND BREAK ALL SHARP EDGES.
4. IDENTIFY IAW MPP-120.
- 5 APPLY F/N 3 AS REQUIRED TO ALL FAYING SURFACES OF F/N 6, 7 & 8 UPON ASSY.
- 6 MAXIMUM OR MINIMUM DIMENSION AFTER FINISH.
7. .0625 HOLE MAY BE ADDED FOR FINISHING PURPOSES
- 8 FINISH: PRETREAT PR-148 ADHESION PROMOTER, PRIME IAW MIL-P-23377J, TYPE I, CLASS N; 1-2 MIL MAX. APPLY FINISH AFTER ASSEMBLY.
- 9 FINISH: PRETREAT PR-148 ADHESION PROMOTER, PRIME IAW MIL-P-23377J, TYPE I, CLASS N; 1-2 MIL MAX.

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	LAST PROTOTYPE RELEASE: PR1		N/C
N/C	INITIAL RELEASE	09/10/09	P. BRAVO
A	INCORPORATED ECN 02864, 03539 & 03595	07/24/12	P. BRAVO
B	INCORPORATED ECN 04025	08/02/13	P. BRAVO
C	INCORPORATED ECN 04038, 04085 & 04250	11/18/13	P. BRAVO



6			12	601.3072	RIVET	CR3213-6-9	
2			11	647.3917	DOUBLER		
1			10	647.3916	DEFLECTOR, UPPER HALF	1	2
1			9	647.3915	DEFLECTOR, LOWER HALF	1	2
	1		8	647.3914	BREAKAWAY TIP LONG	1	2 9
		1	7	647.3913	BREAKAWAY TIP MEDIUM	1	2 9
	1	1	6	647.3912	LOWER DEFLECTOR	1	2 9
			5	647.3911	212 UPPER DEFLECTOR	1	2 9
			4	647.3910	412 UPPER DEFLECTOR	1	2 9
A/R	A/R	A/R	3	601.2045	RTV, LOCTITE 598		5
	3	2	2	601.3074	RIVET	MS20470AD 6-12	
			1		DELETED		
X				647.3903	DEFLECTOR ASSY		8
	X			647.3902	LOWER DEFLECTOR ASSY HIGH		
		X		647.3901	LOWER DEFLECTOR ASSY LOW		
.3903	.3902	.3901	FIND #	PART #	DESCRIPTION	MAT'L	SPEC

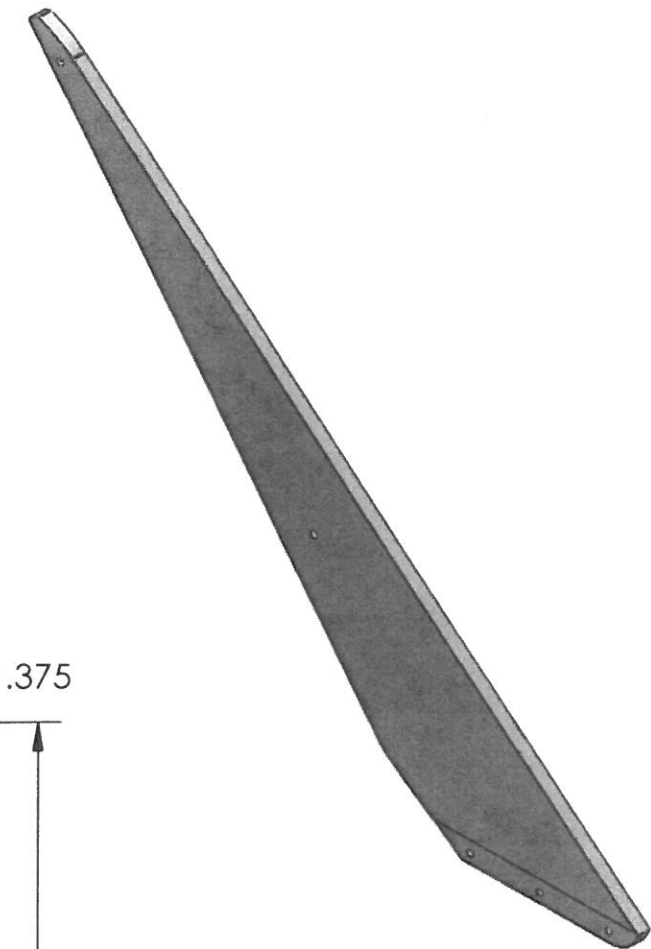
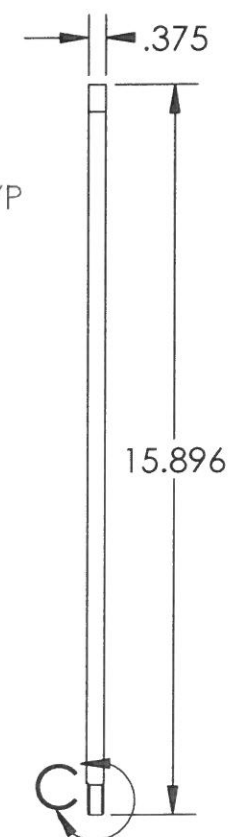
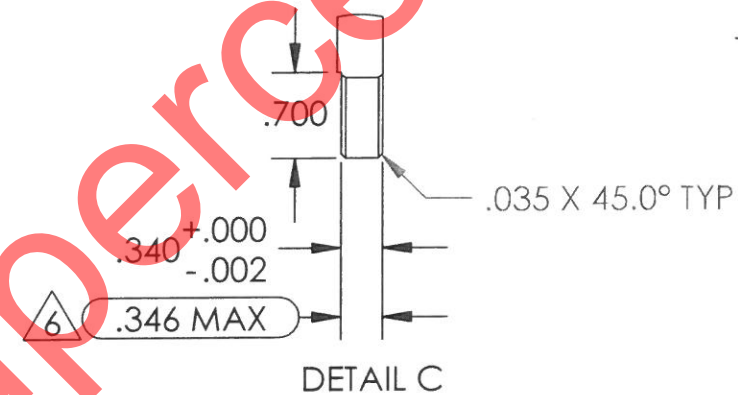
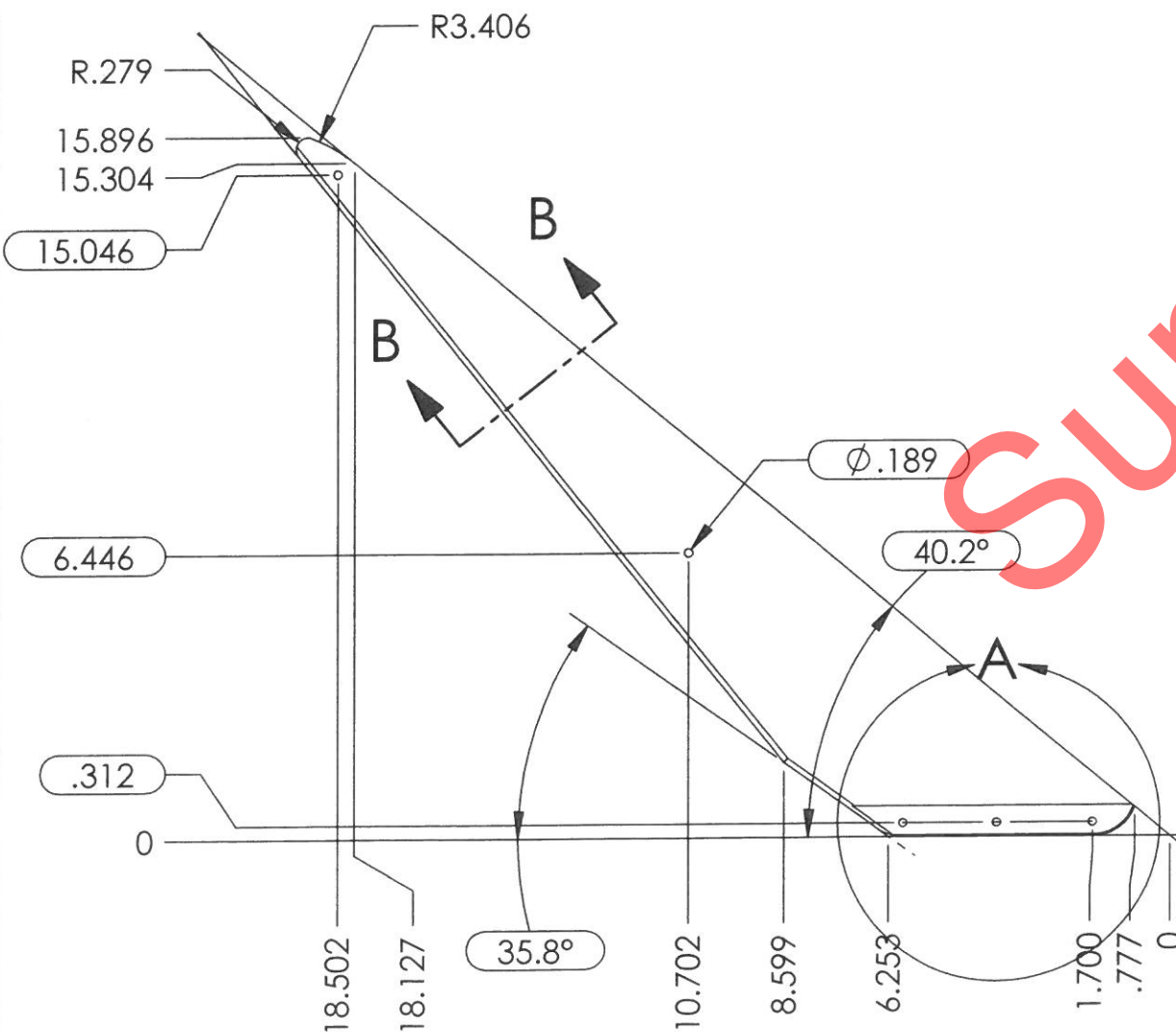
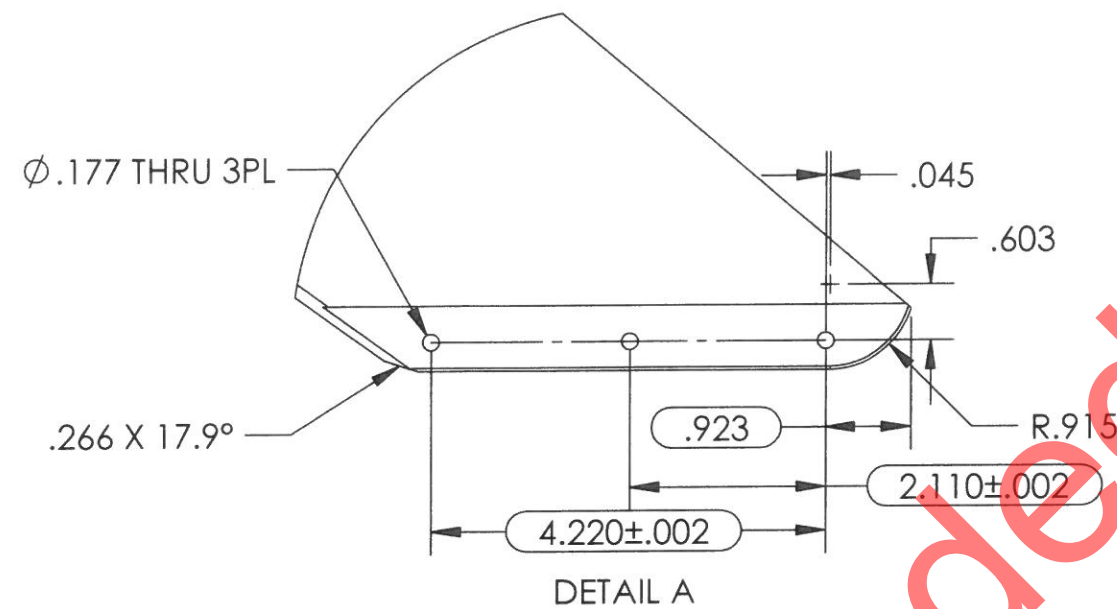
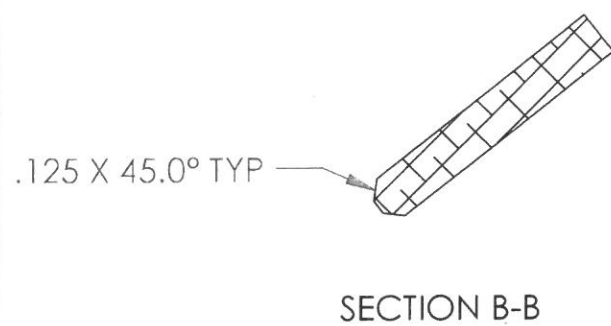
QTY		PARTS LIST	
NEXT ASSY (S)		ORIGINAL DATE (MO-DA-YR) 09-10-09	
647.3800		DRAWN BY D.SCHUR CHECKER D.BARKER	
		DRAWING APPROVAL P. BRAVO 09-10-09	
		CONTRACT No.	
		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ± .5°	
SIZE B	CAGE CODE 07MZ6	DWG. NO. 647.3900	REV. C
SCALE NONE		SHEET 1 OF 12	

APICAL INDUSTRIES

2608 TEMPLE HEIGHTS DR.
OCEANSIDE, CA. 92056-3512 (760)724-5300

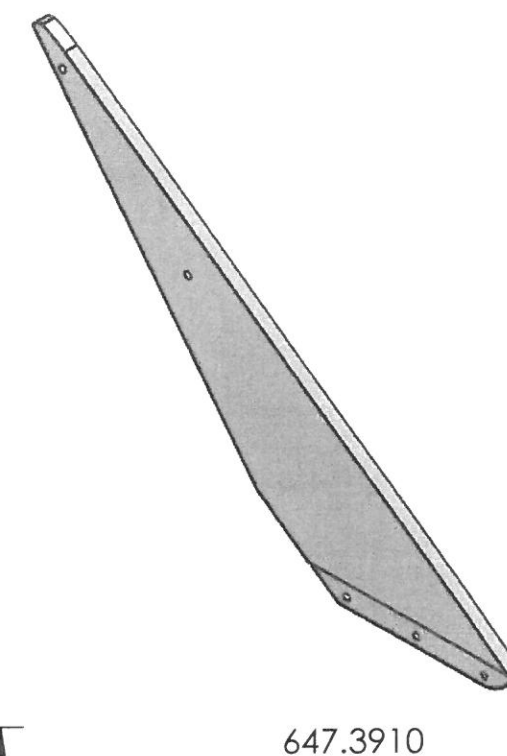
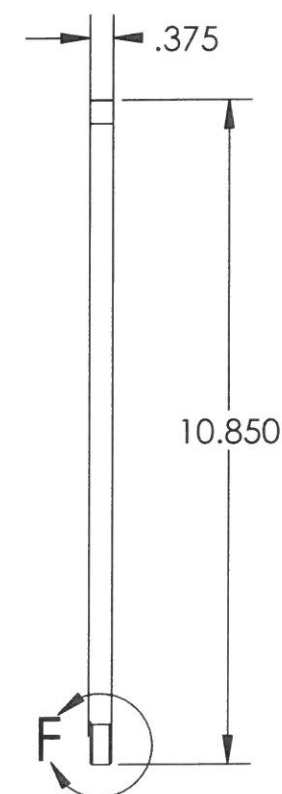
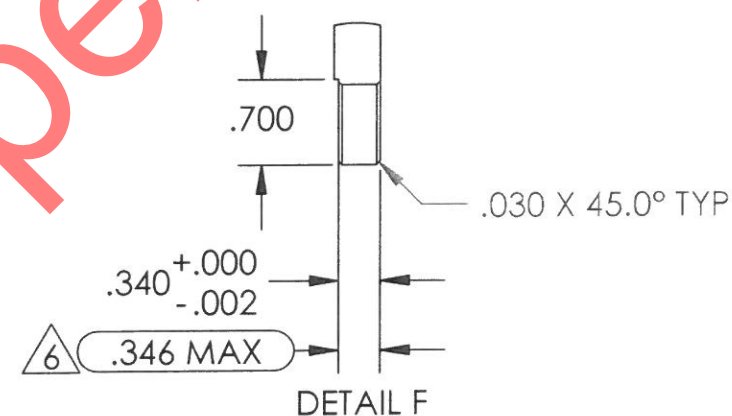
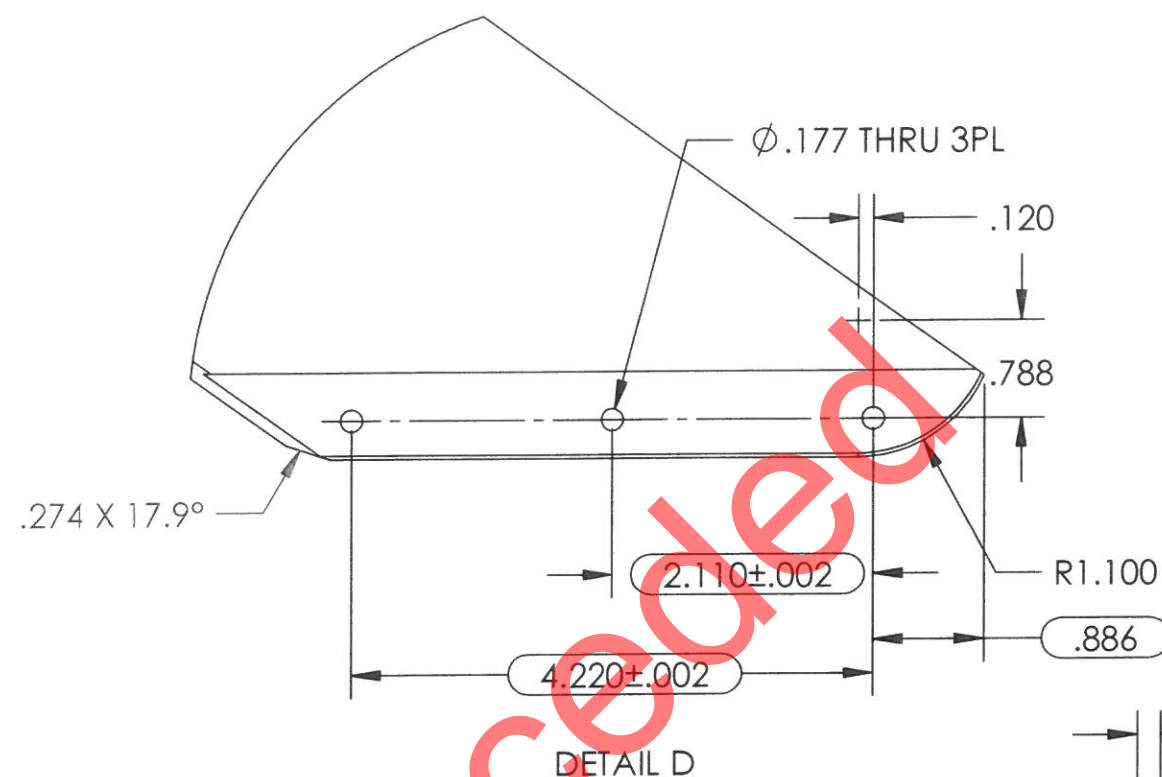
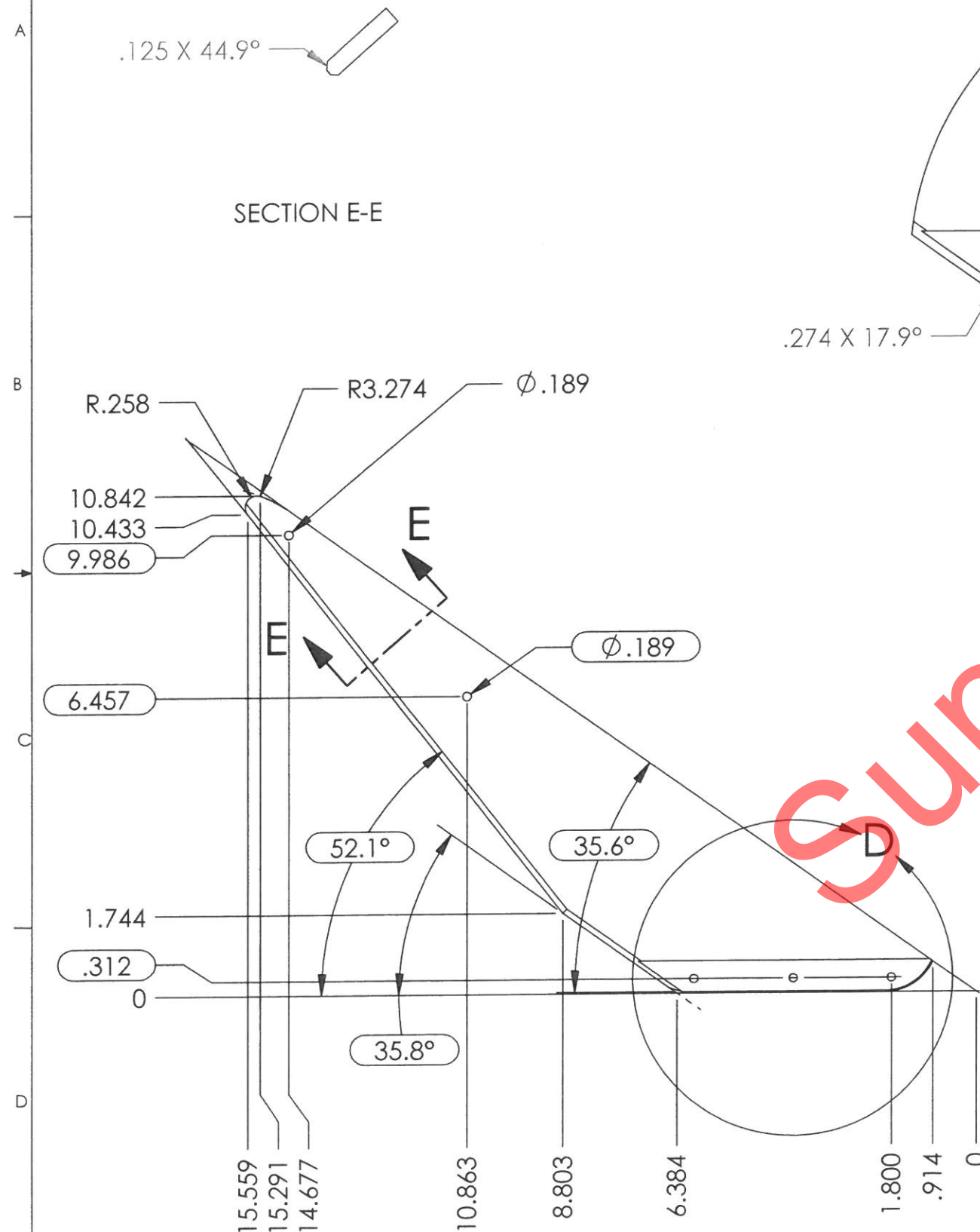
DEFLECTORS

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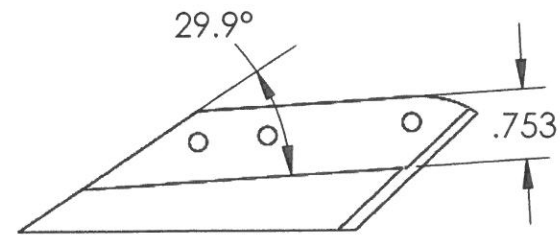
ORIGINAL DATE (MO-DA-YR) 09-10-09		APICAL INDUSTRIES	
DRAWN BY D.SCHUR	CHECKER D.BARKER	2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
DRAWING APPROVAL P. BRAVO 09-10-09		DEFLECTORS	
CONTRACT No.		SIZE B	REV. C
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°		CAGE CODE 07MZ6	DWG. NO. 647.3900
		SCALE NONE	SHEET 2 OF 12

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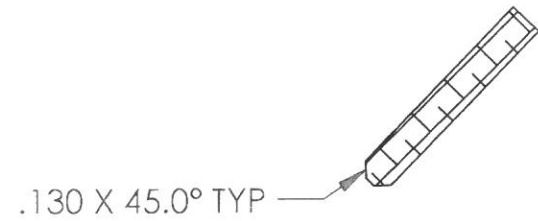


ORIGINAL DATE (MO-DA-YR) 09-10-09		APICAL INDUSTRIES	
DRAWN BY D.SCHUR	CHECKER D.BARKER	2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
DRAWING APPROVAL P. BRAVO		DEFLECTORS	
CONTRACT No.		SIZE B	REV. C
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SCALE: NONE		SHEET 3 OF 12	

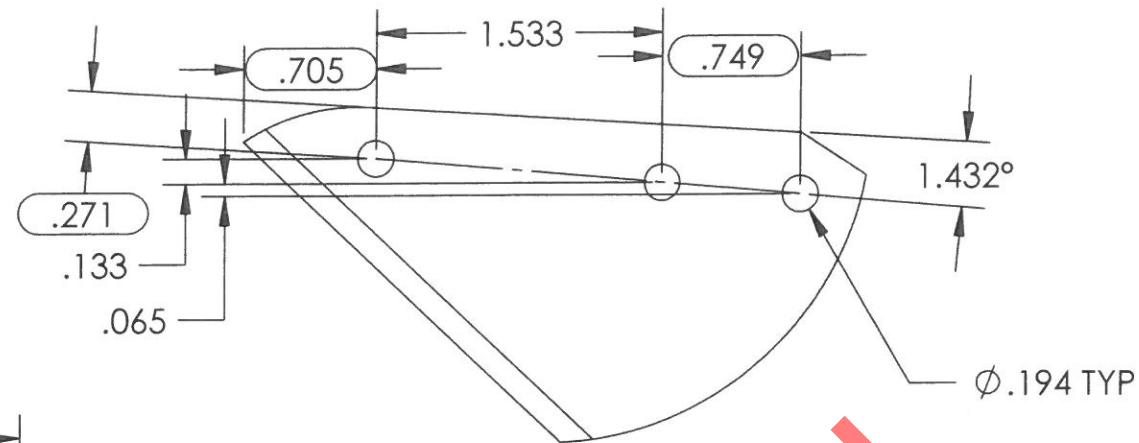
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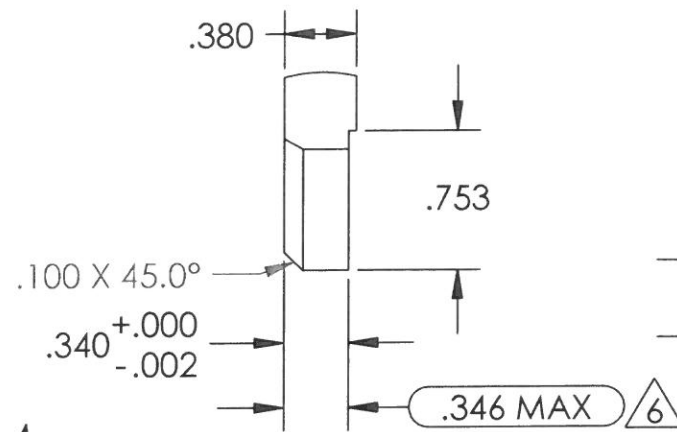
SECTION L-L



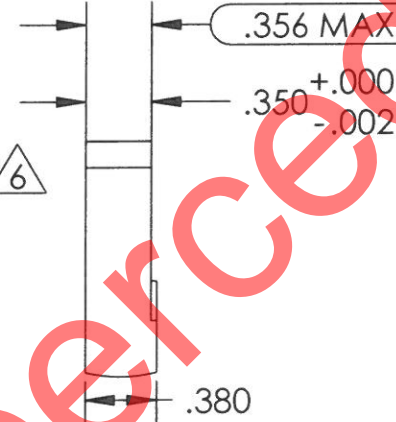
SECTION M-M



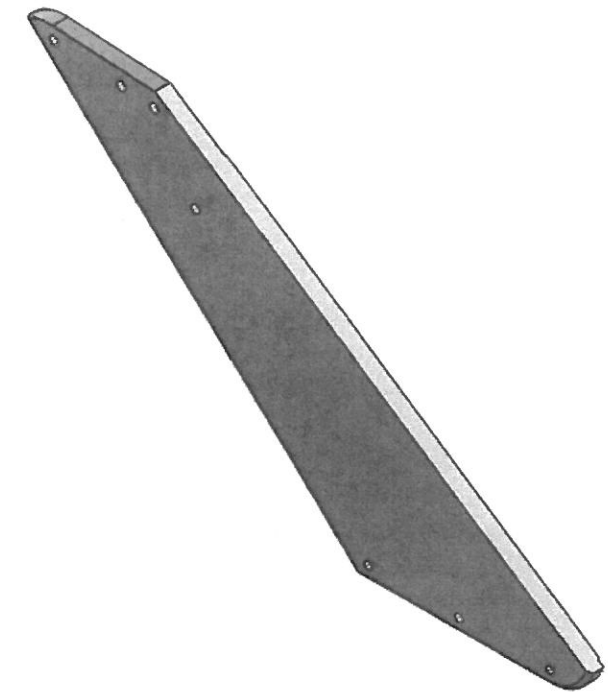
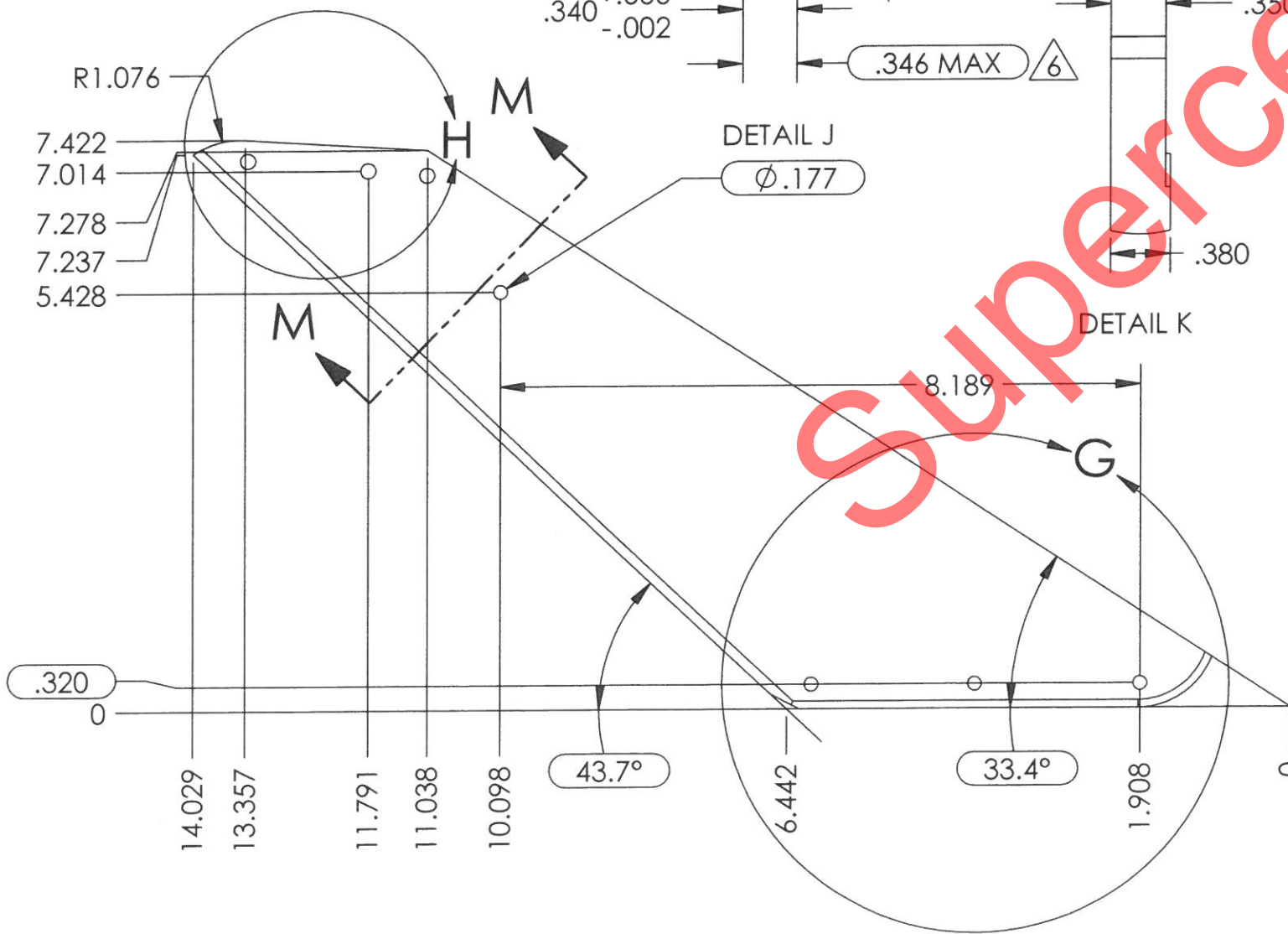
DETAIL H



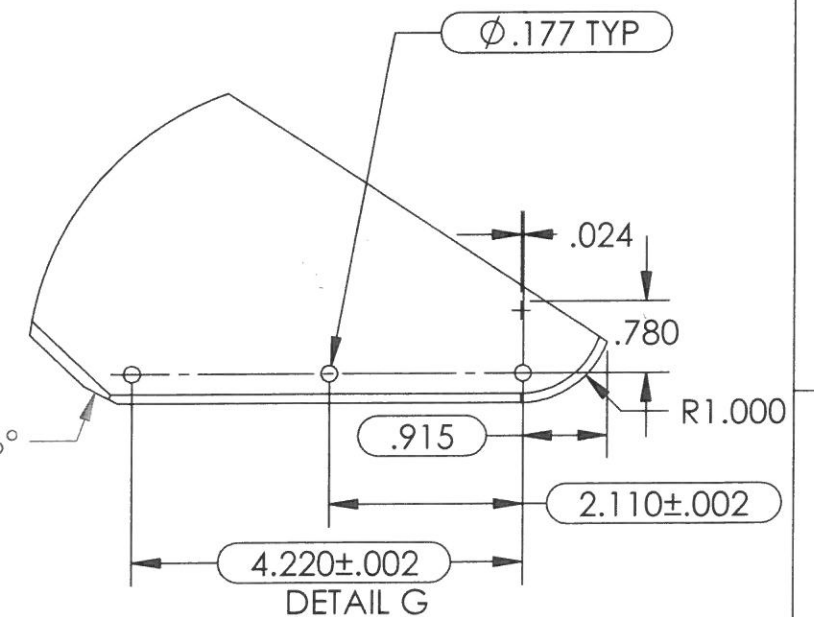
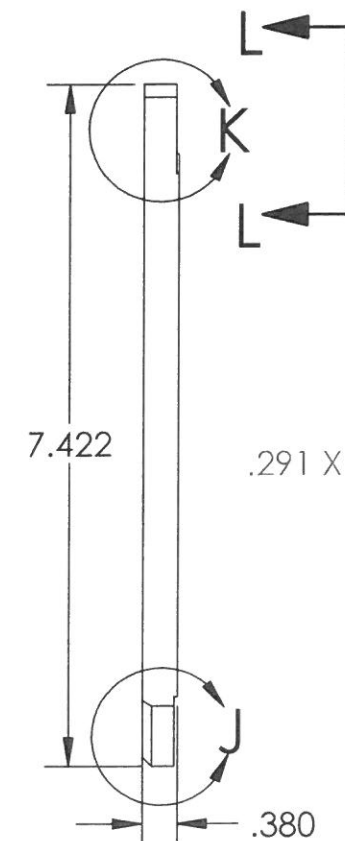
DETAIL J



DETAIL K

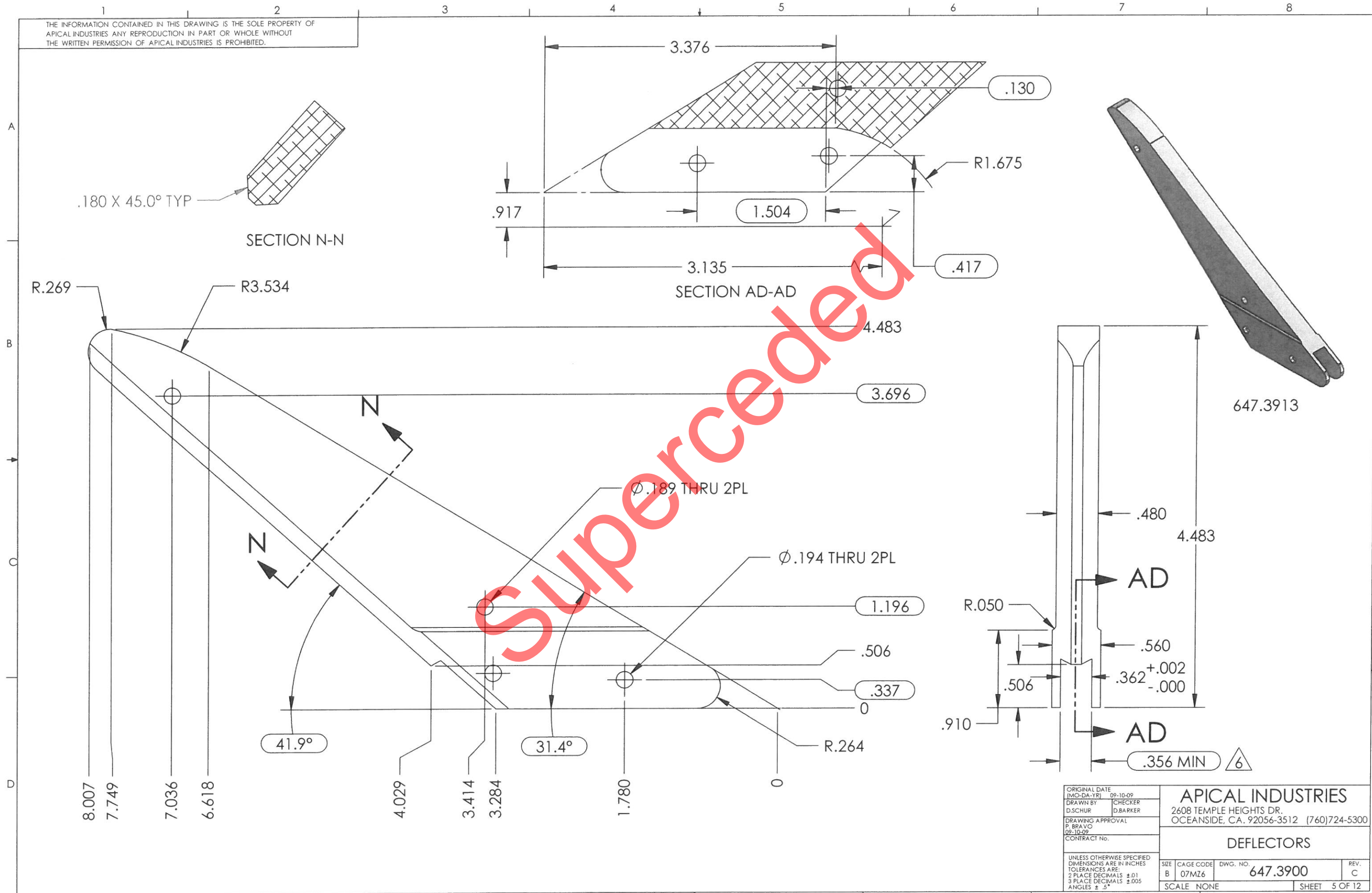


647.3912



ORIGINAL DATE (MO-DA-YR) 09-10-09		APICAL INDUSTRIES	
DRAWN BY D.SCHUR	CHECKER D.BARKER	2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
DRAWING APPROVAL P. BRAVO 09-10-09		DEFLECTORS	
CONTRACT No.		SIZE B	REV. C
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°		CAGE CODE 07MZ6	DWG. NO. 647.3900
		SCALE NONE	SHEET 4 OF 12

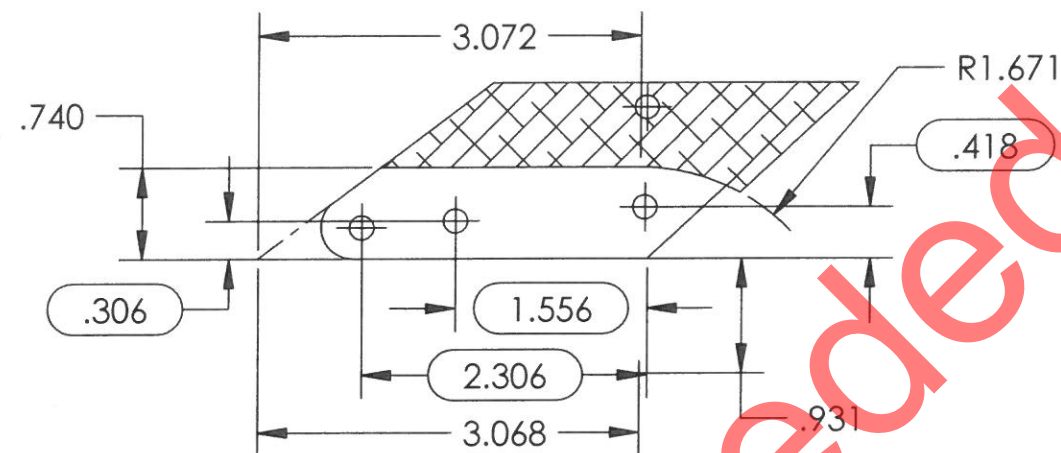
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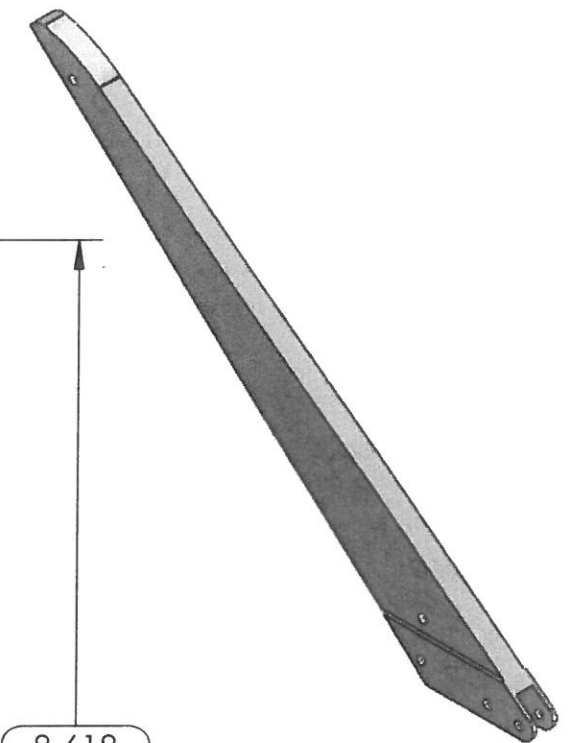
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.175 X 45.0° TYP

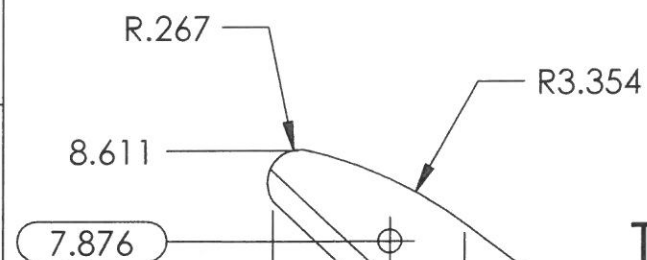
SECTION T-T



SECTION AB-AB



647.3914



Ø.189 THRU 2PL

Ø.194 THRU 3PL

1.224

.533

.252

0

12.148

11.192

10.597

42.83°

37.1°

3.875

3.129

3.123

.824

0

R.050 TYP

.910

.533

.362^{+0.002}_{-.000}

.356 MIN

6

.560

AB

AB

ORIGINAL DATE
(MO-DA-YR) 09-10-09
DRAWN BY D.SCHUR
CHECKER D.BARKER
DRAWING APPROVAL
P. BRAVO
09-10-09
CONTRACT No.

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
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2 PLACE DECIMALS ±.01
3 PLACE DECIMALS ±.005
ANGLES ±.5°

APICAL INDUSTRIES 2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300			
DEFLECTORS			
SIZE B	CAGE CODE 07MZ6	DWG. NO. 647.3900	REV. C
SCALE NONE		SHEET 6 OF 12	

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2 PL $\triangle 5$ 11

10

12 6 PL

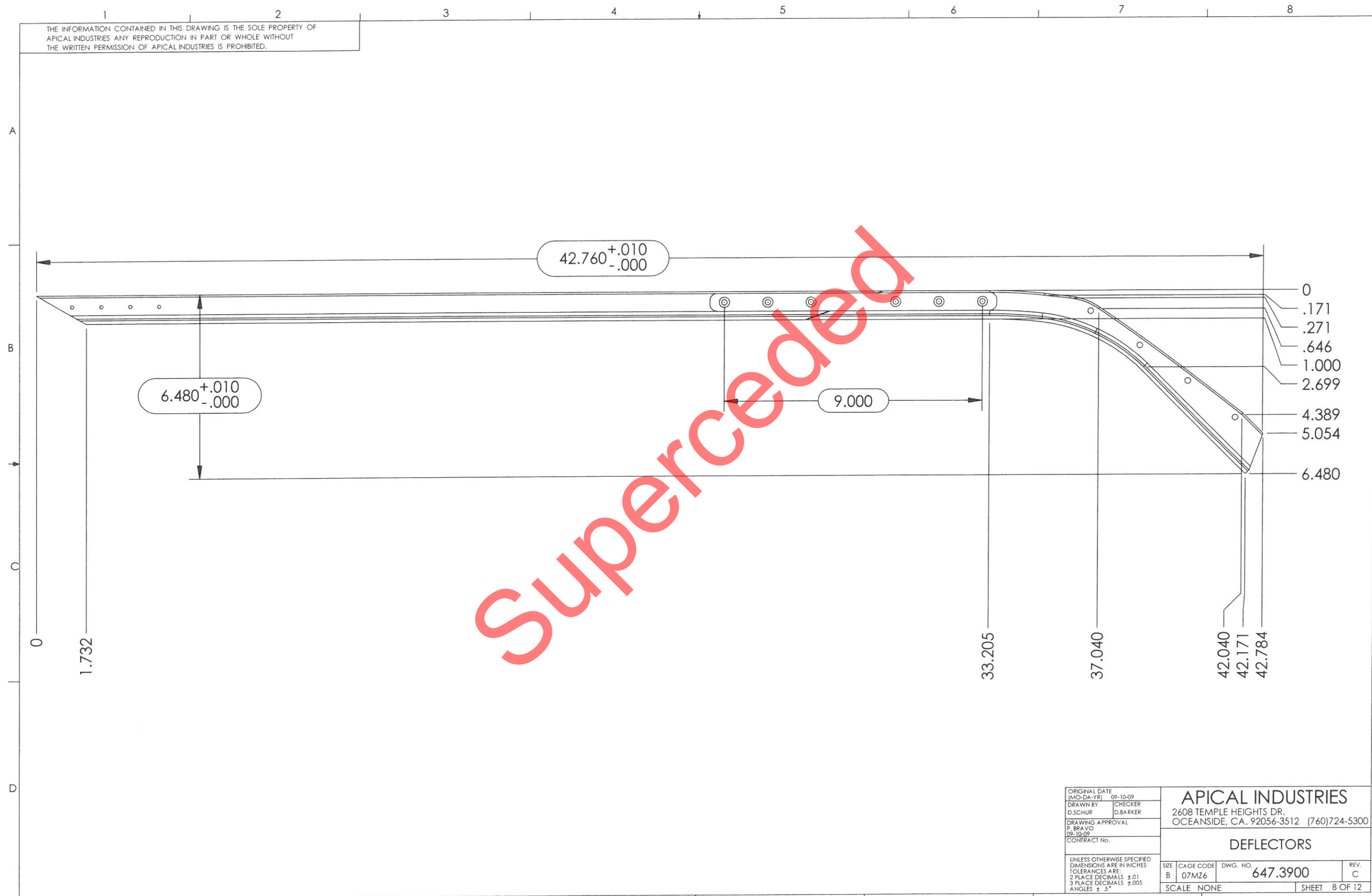
9

$\triangle 5$

647.3903

ORIGINAL DATE (MO-DA-YR) 09-10-09		APICAL INDUSTRIES 2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
DRAWN BY D.SCHUR	CHECKER D.BARKER		
DRAWING APPROVAL P. BRAVO 09-10-09		DEFLECTORS	
CONTRACT No.		SIZE B	REV. C
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS $\pm .01$ 3 PLACE DECIMALS $\pm .005$ ANGLES $\pm .5^\circ$		DWG. NO. 647.3900	
		SCALE NONE	SHEET 7 OF 12

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647.3915

AM

AR

AR

AN

$\phi .192$

$\phi .116$

0
.375

.400

25.237

26.237

27.237

28.237

2.532

4.032

5.532

DETAIL AM

.340^{+.000}
-.005

R.125

.813

DETAIL AN
R.0625 OR 45° CHAMFER X .0625
4 PL

.188

.830

2.000

SECTION AR-AR

ORIGINAL DATE
(MO-DA-YR) 09-10-09
DRAWN BY D.SCHUR
CHECKER D.BARKER
DRAWING APPROVAL
P. BRAVO
09-10-09
CONTRACT NO.

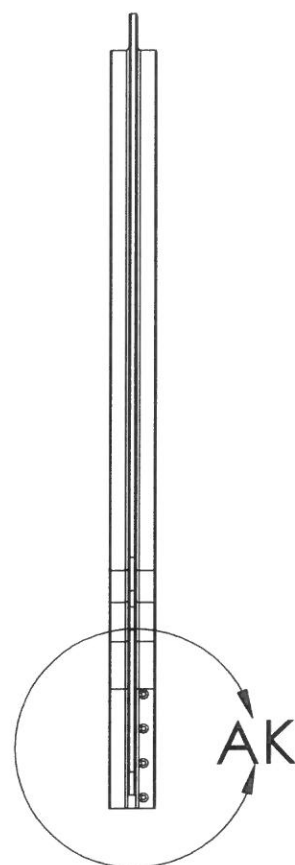
UNLESS OTHERWISE SPECIFIED
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2 PLACE DECIMALS $\pm .01$
3 PLACE DECIMALS $\pm .005$
ANGLES $\pm .5^\circ$

APICAL INDUSTRIES
2608 TEMPLE HEIGHTS DR.
OCEANSIDE, CA. 92056-3512 (760)724-5300

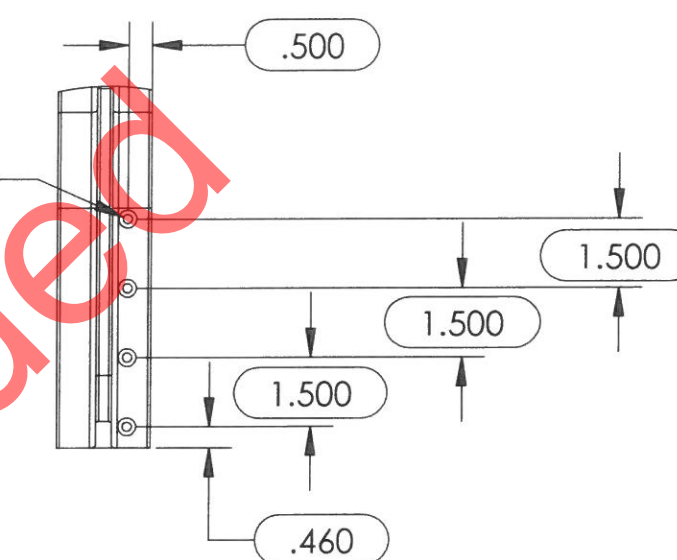
DEFLECTORS

SIZE B	CAGE CODE 07MZ6	DWG. NO. 647.3900	REV. C
SCALE NONE			SHEET 9 OF 12

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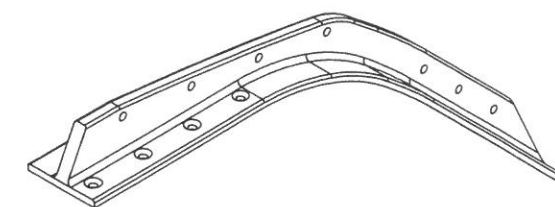
4X $\phi .196 \pm .010$ THRU ALL
 $\checkmark \phi .385 \pm .020 \times 100^\circ \pm 1.000^\circ$



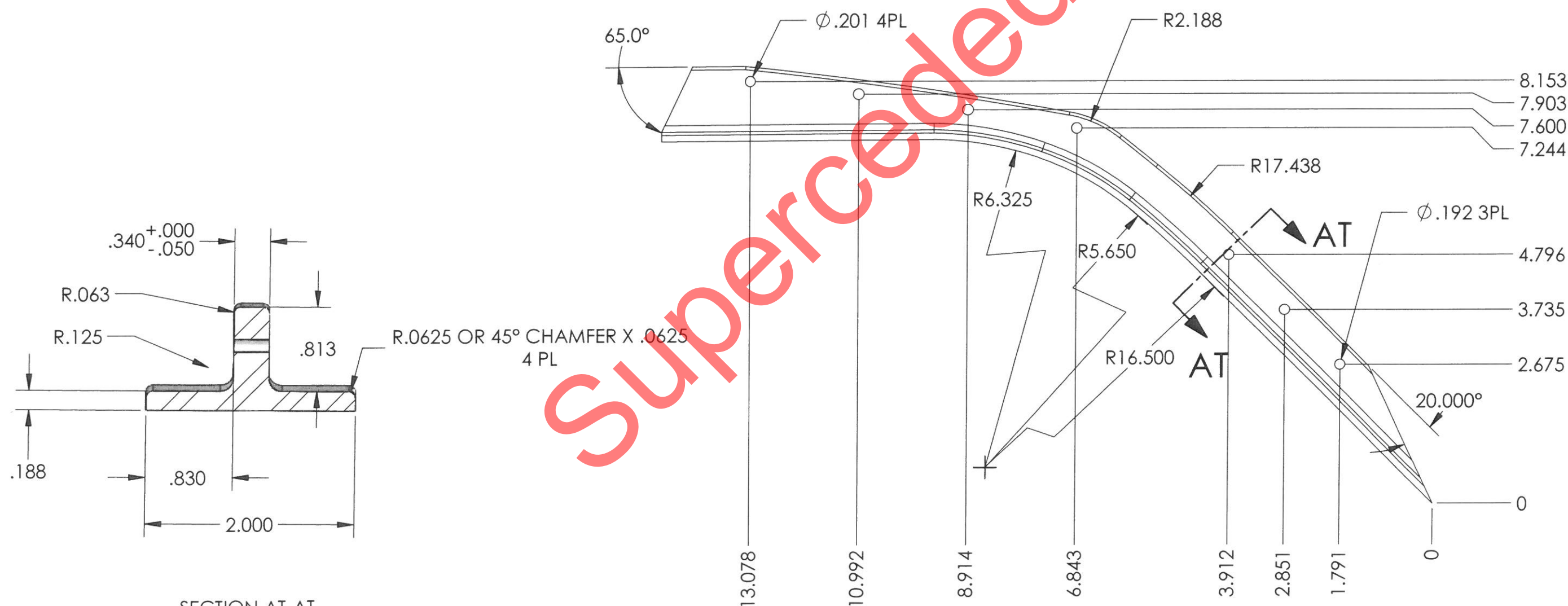
647.3915

ORIGINAL DATE (MO-DA-YR) 09-10-09		APICAL INDUSTRIES	
DRAWN BY D.SCHUR		2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
CHECKER D.BARKER		DEFLECTORS	
DRAWING APPROVAL P. BRAVO 09-10-09		DWG. NO. 647.3900	
CONTRACT No.		REV. C	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS $\pm .01$ 3 PLACE DECIMALS $\pm .005$ ANGLES $\pm .5^\circ$		SCALE NONE	SHEET 10 OF 12

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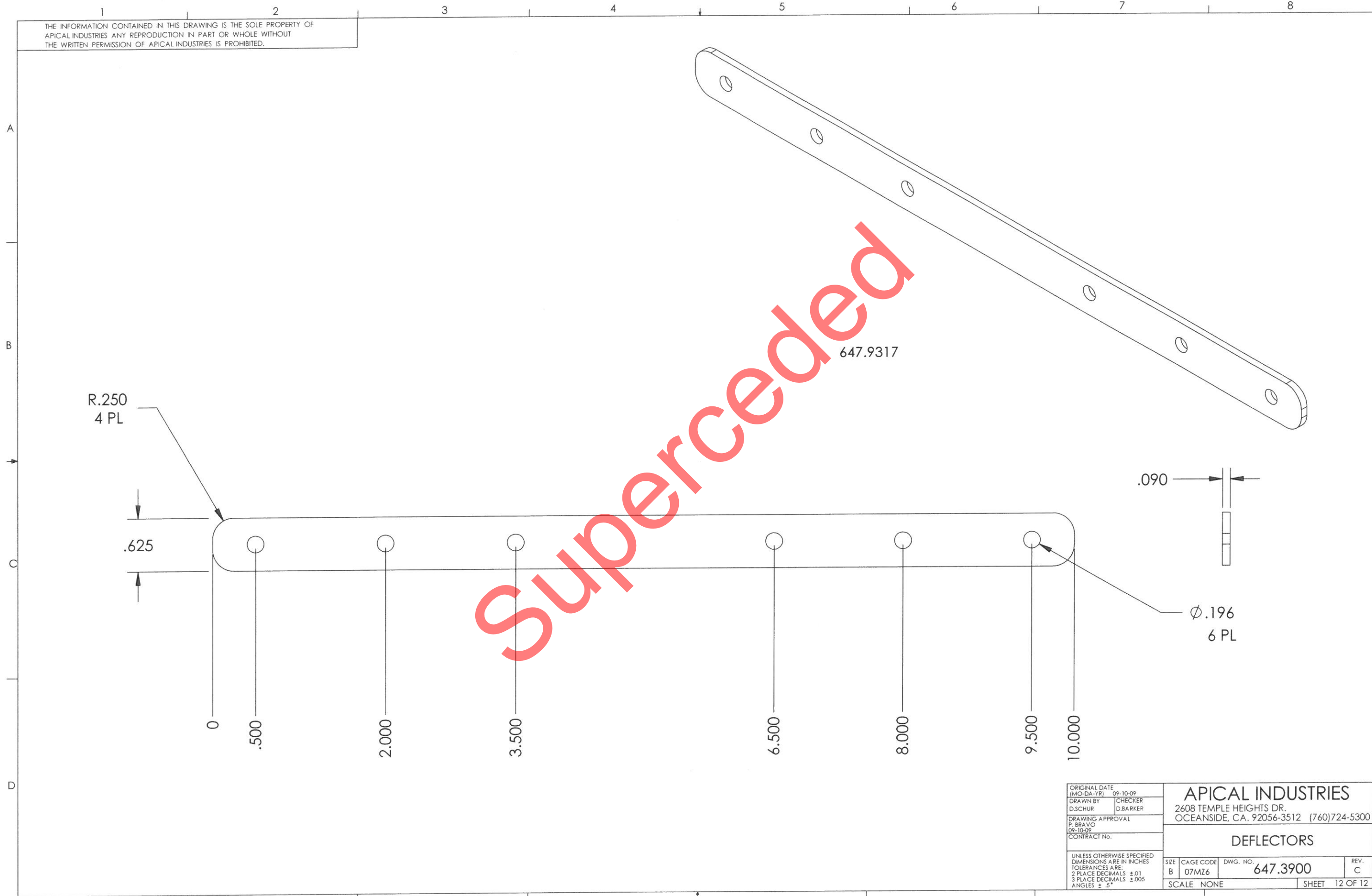
647.3916



SECTION AT-AT

ORIGINAL DATE (MO-DA-YR) 09-10-09		APICAL INDUSTRIES 2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
DRAWN BY D.SCHUR	CHECKER D.BARKER		
DRAWING APPROVAL P. BRAVO 09-10-09		DEFLECTORS	
CONTRACT No.		REV. C	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°		SIZE B	CAGE CODE 07MZ6
		DWG. NO. 647.3900	SCALE NONE
		SHEET 11 OF 12	

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ORIGINAL DATE (MO-DA-YR) 09-10-09		APICAL INDUSTRIES 2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
DRAWN BY D.SCHUR	CHECKER D.BARKER		
DRAWING APPROVAL P. BRAVO 09-10-09		DEFLECTORS	
CONTRACT No.		SIZE B	REV. C
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SCALE NONE		SHEET 12 OF 12	